

Table 6.7      Renewable Energy Facilities in the State of Utah

last updated: 9/13/2006

Red font indicates proposed project.

Technology	# of Facilities	Capacity (kW)
Biomass	3	8,600
Geothermal	1	26,000
Solar	30	411
Wind	3	955
Hydro	71	286,775
Total	108	322,741

Technology	Owner / Operator	Plant Name / Location / Use	Capacity (kW)	
Biomass - wood	Garkane Power Assn. Inc.	Kaibab Industries / operating status unknown	4,000	
Biomass - landfill gas	Salt Lake Valley Landfill	Salt Lake Valley Landfill / to be used by Murray City	3,000	
Biomass - landfill gas	Davis County Landfill	Davis County Landfill / Layton / will help power Hill AFB	1,600	
Biomass - landfill gas	Trans-Jordan Landfill / Granger Energy Co.	Trans-Jordan Landfill / to used by Interstate Brick Co.	3,000	Proposed: fall 2006
Biomass - landfill gas	Weber County/Blue Sky Energy	Weber County Landfill/Ogden/Green certificates for sale	950	Proposed: ??
Geothermal	PacifiCorp	Blundell	26,000	
Geothermal	PacifiCorp	Blundell expansion	11,000	Proposed: fall 2007
Geothermal	Amp Resources	Cove Fort (in the process of being rebuilt)	42,000	Proposed: fall 2007
Solar - PV	Glen Canyon National Recreation Area	Dangling Rope Facility	160.0	
Solar - PV	University of Utah - Cosmic Ray Observatory	West of Delta, UT, 530 individual 120W panels	63.6	
Solar - PV	Natural Bridges National Monument	Monument Facilities	60.0	
Solar - PV	Ritz Apartments	Downtown Salt Lake City	31.9	
Solar - PV	Ashby Apartments	Downtown Salt Lake City	29.3	
Solar - PV	Salt Palace Convention Center	Downtown Salt Lake City - powers parking garage	20.0	
Solar - PV	Canyonlands National Park	Hans Flat Facility	7.2	
Solar - PV	Zion National Park	Visitor Center - grid tied	7.2	
Solar - PV	Cal Black Airport	Airport Facilities	6.0	
Solar - PV	Arches National Park	Devil's Garden Campground	5.6	
Solar - PV	Goblin Valley State Park	Water Pumping	4.0	
Solar - PV	Goblin Valley State Park	Employee Housing	3.6	
Solar - PV	Cunningham Ranch	Wildlife Education Center	2.4	
Solar - PV	Monte Cristo Snow Cat Shed	Lighting, Power Tools, Radios	1.8	
Solar - PV	Bryce Canyon National Park	Water Pumping	1.5	
Solar - PV	Antelope Island State Park	Garr Ranch Facility	1.5	
Solar - PV	Confidential	MSR Residential / Vernal	1.0	
Solar - PV	Utah Department of Natural Resources	North Temple & Redwood Road	1.2	
Solar - PV	Bryce Canyon National Park	Pressurize Water System	0.5	
Solar - PV	Snow Canyon State Park	Entrance Station	0.5	
Solar - PV	Dinosaur National Monument	Ranger Cabin	0.4	
Solar - PV	Zion National Park	Ranger Cabin	0.4	
Solar - PV	Zion National Park	Ranger Cabin	0.4	
Solar - PV	Dead Horse Point State Park	Pressurize Water System - Point System	0.3	
Solar - PV	Dead Horse Point State Park	Pressurize Water System - Group Site	0.3	
Solar - PV	Salt Creek Waterfowl Management Area	Water Pumping	0.3	
Solar - PV	Yuba Lake State Park	Cabana Lighting	0.2	
Solar - PV	Antelope Island State Park	Radio Repeater	0.1	
Solar - PV	Antelope Island State Park	Marina Lighting	0.0	
Solar - PV	Yuba Lake State Park	Radio Repeater	0.0	
Wind	U.S. Department of Defense	Camp Williams - two turbines - 225 kW & 665 kW	890	
Wind	Private Residence	Circleville, UT	65	
Wind	Milford High School	Milford, UT	0.1	
Wind	Tasco Engineering	Stockton Bar (35 turbines at 2.1 MW each)	70,000	Proposed: ??
Wind	Wasatch Wind	Spanish Fork (9 turbines at 2.1 MW each)	18,900	Proposed: Summer 2007
Wind	Tooele Army Depot	Tooele, UT (1 or 2 turbines)	1,200	Proposed: Spring 2007
Hydro	Bureau of Reclamation	Flaming Gorge	151,800	
Hydro	PacifiCorp	Cutler	30,000	
Hydro	PacifiCorp	Olmstead	10,300	
Hydro	Logan City Mun. Light and Power	Logan 2	6,600	
Hydro	PacifiCorp	Pioneer	5,000	
Hydro*	Perpetual Storage Inc.	Little Cottonwood Creek	5,000	
Hydro	Bureau of Reclamation	Deer Creek	4,800	
Hydro	Murray City Power Dept.	Little Cottonwood Creek	4,800	
Hydro	Bountiful City Light and Power	Echo Dam	4,400	
Hydro	Garkane Power Assn. Inc.	Boulder	4,200	
Hydro	Weber Basin Water Conserv. Dist.	Gateway	4,000	
Hydro	PacifiCorp	Weber	3,800	

Hydro	Strawberry Water Users Assn.	Spanish Fork	3,600
Hydro	Ephraim City Power Dept.	Hydro Plant No. 3	2,800
Hydro	PacifiCorp	Upper Beaver	2,500
Hydro*	Bountiful City Light and Power	East Canyon Dam	2,499
Hydro	Washington County WCD	Quail Creek	2,300
Hydro**	Weber Basin Water Conserv. Dist.	Causey	2,100
Hydro	PacifiCorp	Granite	2,000
Hydro	Weber Basin Water Conserv. Dist.	Wanship	1,900
Hydro	Bountiful City Light and Power	Pine View Dam	1,800
Hydro	Manti Light and Power Company	Manti Upper	1,600
Hydro	Heber Light and Power Dept.	Lake Creek	1,500
Hydro	Logan City Mun. Light and Power	Logan 3	1,500
Hydro	Springville Mun. Power and Light Dept.	Bartholomew	1,500
Hydro	Mt Pleasant Mun. Elec. And Power Dept.	Lower Debris Basin	1,250
Hydro	Brigham City Light and Power	Brigham City	1,200
Hydro	Manti Light and Power Company	Manti Lower	1,200
Hydro	Moon Lake Electric Assn. Inc.	Uintah	1,200
Hydro	PacifiCorp	Snake Creek	1,000
Hydro	PacifiCorp	Stairs	1,000
Hydro	PacifiCorp	American Fork	950
Hydro	Moon Lake Electric Assn. Inc.	Yellowstone	900
Hydro	Heber Light and Power Dept.	Snake Creek	800
Hydro	Levan Mun. Elec. Light System	Pigeon Creek	800
Hydro*	Whitmore Hydroelectric Co.	Whitmore Upper	800
Hydro	PacifiCorp	Gunlock	750
Hydro	Garkane Power Assn. Inc.	Lower Boulder	700
Hydro	Beaver City Mun. Elec. Light and Water	Beaver #3	650
Hydro	PacifiCorp	Sand Cove	650
Hydro	Beaver City Mun. Elec. Light and Water	Beaver Upper	630
Hydro	Parawon City Electrical Dept.	Paragonah / Red Creek	600
Hydro	Parowan City Electrical Dept.	Center Creek	600
Hydro	St George City Water and Power Dept.	Pine Valley	600
Hydro*	Arizona Micro-Porcupine	Arizona Micro-Porcupine	566
Hydro	Brigham City Light and Power	Box Elder	500
Hydro	Hyrum City Corp.	Hyrum	500
Hydro	Nephi Municipal Electric Dept.	Salt Creek	500
Hydro	PacifiCorp	Veho	500
Hydro	Springville Mun. Power and Light Dept.	Spring Creek	500
Hydro*	City of North Logan	Green Canyon	450
Hydro	Strawberry Water Users Assn.	Payson	400
Hydro*	Thayn Lee R and A Leon	Thayn	400
Hydro	St. George City Water and Power Dept.	Gunlock Hydro	380
Hydro*	BMB Enterprises Inc.	Granite Creek	350
Hydro	Springville Mun. Power and Light Dept.	Hobble Creek	300
Hydro	Spring City Light and Power Plant	Spring City	300
Hydro	Beaver City Mun. Elec. Light and Water	Beaver Lower	280
Hydro	Monroe City Elec. Light Dept.	Lower	250
Hydro	Monroe City Elec. Light Dept.	Upper	250
Hydro	Mt Pleasant Mun. Elec. And Power Dept.	Pressure Reducing Station	225
Hydro	Ephraim City Power Dept.	Hydro Plant No. 1	200
Hydro	Nephi Municipal Electric Dept.	Bradley	200
Hydro	Springville Mun. Power and Light Dept.	Upper Bartholomew	200
Hydro	Mt Pleasant Mun. Elec. And Power Dept.	Upper	180
Hydro	PacifiCorp	Fountain Green	160
Hydro	Mt Pleasant Mun. Elec. And Power Dept.	Lower	150
Hydro*	Douglass George	Deep Creek	125
Hydro	Ephraim City Power Dept.	Hydro No. 4 - Masen Plant	120
Hydro	Levan Mun. Elec. Light System	Cobble Rock	110
Hydro	Monroe City Elec. Light Dept.	Monroe Pumping Station	100

Source: [National Renewable Energy Laboratory - Renewable Electric Plant Information System \(REPiS\), 2002](#)

[EIA, Electric Power Annual, Electric Generating Capacity 2004 - Form EIA-860](#)

[Solar data from SEP - Click on this link for more information on Utah Solar](#)

Some data from personnel contacts

No asterisk - Hydro. data recorded by both EIA and REPiS

\* - Hydro. data recorded by REPiS but not by EIA

\*\* - Recorded by EIA but not by REPiS

Note: This table does not include small residential renewable energy systems or direct-use geothermal facilities